

INTERNATIONAL SEARCH REPORT

Internat Application No

PCT/IT 03/00432

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F16F15/14 16H55/36 F16F15/126

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16F F16H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 516 331 A (HOENLINGER HERWIG ET AL) 14 May 1996 (1996-05-14) figure 4	1,5
X	US 5 637 041 A (HAMAEKERS ARNO ET AL) 10 June 1997 (1997-06-10) figure 1	1,5
A	WO 96 25611 A (RIU HERVE ;HOLSET ENGINEERING CO (GB)) 22 August 1996 (1996-08-22) figure 1	2,4
A	DE 199 38 461 A (FREUDENBERG CARL FA) 22 March 2001 (2001-03-22) figure 4	1
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

20 October 2003

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27/10/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 771 791 A (SOFEDIT) 4 June 1999 (1999-06-04) -----	

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5516331	A	14-05-1996	DE 4312577 C1	18-08-1994
			BR 9401495 A	22-11-1994
			DE 59400565 D1	10-10-1996
			EP 0621413 A1	26-10-1994
			ES 2093460 T3	16-12-1996
			JP 2648451 B2	27-08-1997
			JP 6330957 A	29-11-1994
			KR 9704920 B1	08-04-1997
US 5637041	A	10-06-1997	DE 4408474 C1	20-04-1995
			BR 9500645 A	17-10-1995
			EP 0671570 A2	13-09-1995
			ES 2120554 T3	01-11-1998
			JP 2680280 B2	19-11-1997
			JP 7269588 A	17-10-1995
WO 9625611	A	22-08-1996	FR 2730782 A1	23-08-1996
			AU 4725496 A	04-09-1996
			DE 69608251 D1	15-06-2000
			DE 69608251 T2	04-01-2001
			EP 0808431 A1	26-11-1997
			ES 2148732 T3	16-10-2000
			WO 9625611 A1	22-08-1996
			JP 3155280 B2	09-04-2001
			JP 10508084 T	04-08-1998
			PT 808431 T	31-10-2000
			US 5988015 A	23-11-1999
DE 19938461	A	22-03-2001	DE 19938461 A1	22-03-2001
FR 2771791	A	04-06-1999	FR 2771791 A1	04-06-1999